

Amendment to the Claims:

Please amend the claims as follows:

1-76. (Canceled)

77. (Currently amended) A method of providing a multicast service in a wireless communication system, the method comprising:

mapping at least one logical channel onto a ~~into a~~ transport channel; and

transmitting, to a user equipment (UE), data of the at least one logical channel to a
~~receiving end~~ through the transport channel, wherein the data is added with a header including a first identifier for identifying the at least one logical channel and a second identifier for identifying the multicast service,

wherein the second identifier is an MBMS (Multimedia Broadcast/Multicast Service) identifier, and

wherein the second identifier is used to distinguish between MBMS services.

78. (Previously Presented) The method of claim 77, wherein the first identifier is a TCTF (Target Channel Type Field).

79. (Canceled)

80. (Currently amended) The method of claim 77 ~~claim 79~~, wherein the MBMS identifier is an m-RNTI (MBMS radio network temporary identifier).

81. (Previously Presented) The method of claim 77, wherein a third identifier for distinguishing a type of the second identifier is further included in the header.

82. (Previously Presented) The method of claim 81, wherein the third identifier is a UE (user equipment) ID type.

83. (Previously Presented) The method of claim 77, wherein the at least one logical channel is a dedicated logical channel or a shared logical channel.

84. (Previously Presented) The method of claim 77, wherein the transport channel is a shared transport channel.

85. (Previously Presented) The method of claim 84, wherein the shared transport channel is a DSCH (Downlink Shared Channel).

86. (Currently amended) A method of receiving a multicast service in a wireless communication system, the method comprising:

receiving, at a user equipment (UE), data of at least one logical channel through a transport channel, wherein the data is added with a header including a first identifier for identifying the at least one logical channel and a second identifier for identifying the multicast service, wherein the second identifier is an MBMS (Multimedia Broadcast/Multicast Service) identifier, and wherein the second identifier is used to distinguish between MBMS services;

identifying the at least one logical channel and the multicast service according to the first identifier and the second identifier included in the header; and

delivering the data to a logical channel that is mapped ~~with the~~ onto the transport channel according to the first identifier.

87. (Previously Presented) The method of claim 86, wherein the first identifier is a TCTF (Target Channel Type Field).

88. (Canceled)

89. (Currently amended) The method of claim 86 ~~claim 88~~, wherein the MBMS identifier is an m-RNTI (MBMS radio network temporary identifier).

90. (Previously Presented) The method of claim 86, wherein a third identifier for distinguishing a type of the second identifier is further included in the header.

91. (Previously Presented) The method of claim 90, wherein the third identifier is a UE (user equipment) ID type.

92. (Previously Presented) The method of claim 86, wherein the at least one logical channel is a dedicated logical channel or a shared logical channel.

93. (Previously Presented) The method of claim 86, wherein the transport channel is a shared transport channel.

94. (Previously Presented) The method of claim 93, wherein the shared transport channel is a DSCH (Downlink Shared Channel).